

FLOOD RESISTANCE & FLOOD RESILIENCE

Adopting a flood resistant approach prevents or reduces the amount of water that may enter a building. There are a number of routes in which floodwater can enter a property. This may be through doors, air bricks, cracks in exposed walls, gaps in the floor, and through drains, pipes and service entry points.

A number of flood resistant measures can be put in place to try and prevent water entering a building.



Flood doors or flood door barriers can prevent water from entering a building.



Gardens can be made more flood resistant by installing flood barriers and flood gates to prevent water entering, or landscaped to divert water away.



Non-return valves can be fitted to drains and pipes to prevent sewage flowing back through pipes.



Brickwork can be made more water resistant by repointing any cracks, applying water resistant paints and coatings, and installing self closing air bricks or air brick covers.

Flood resilient design and construction reduces the impacts of flood water which enters a building. Using materials that perform well in flood conditions means that no permanent damage is caused, structural integrity is maintained and drying and cleaning is easier. All these things allow quicker reoccupation of the building.

A number of flood resilient measures can be put in place to reduce flood damage.



Water resistant materials such as stainless steel, plastic or solid wood can be used in kitchens and bathrooms. White goods can be raised off the ground to protect against low level flooding.



Replace fitted carpets with tiles, timber floors with treated wood, or concrete. If possible raise the floor level and height of the threshold to the property entrance.



Raise electric sockets above the likely height that flood water could reach. On the ground floor feed electric cables down from the floor above.



Valuable items should be stored upstairs, or placed on high shelves or fixed to walls downstairs.

Ideally, properties in flood risk areas should consider **both** resilience and resistance measures. This will reduce the impact of future floods.

It is also important that all properties at risk of flooding have a flood plan in place, and a trigger to warn of potential flooding - this can be free flood alerts and warnings from the Environment Agency. To sign up, visit www.gov.uk/sign-up-for-flood-warnings or call Floodline on 0345 988 1188.